

Fig. 1

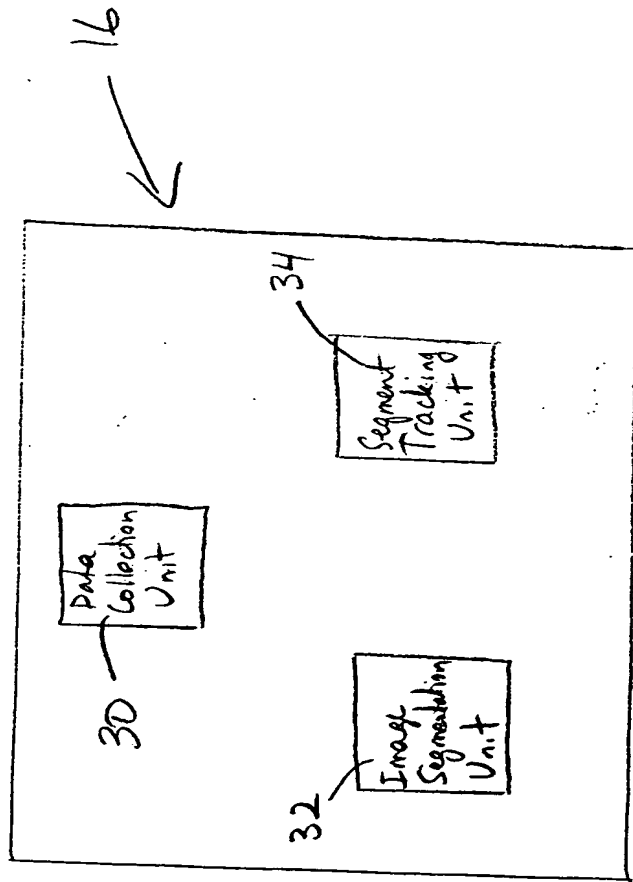


Fig. 2

FIG. 3

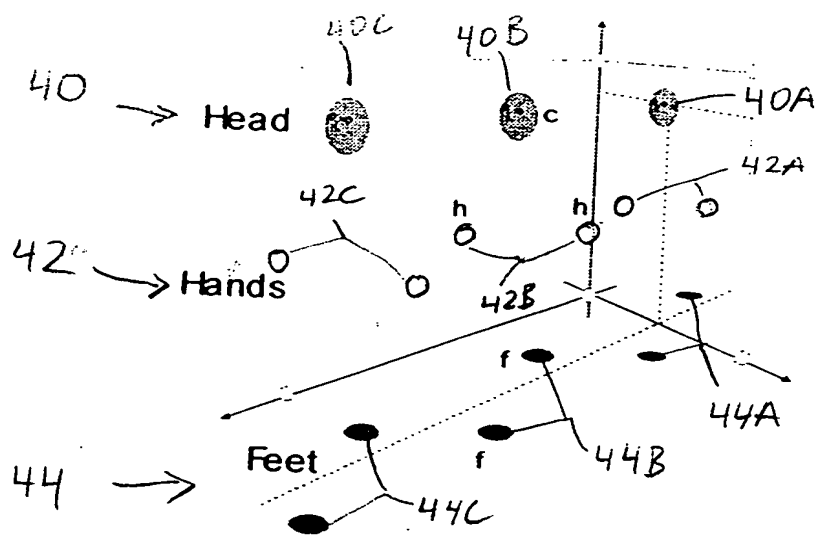


Fig. 3

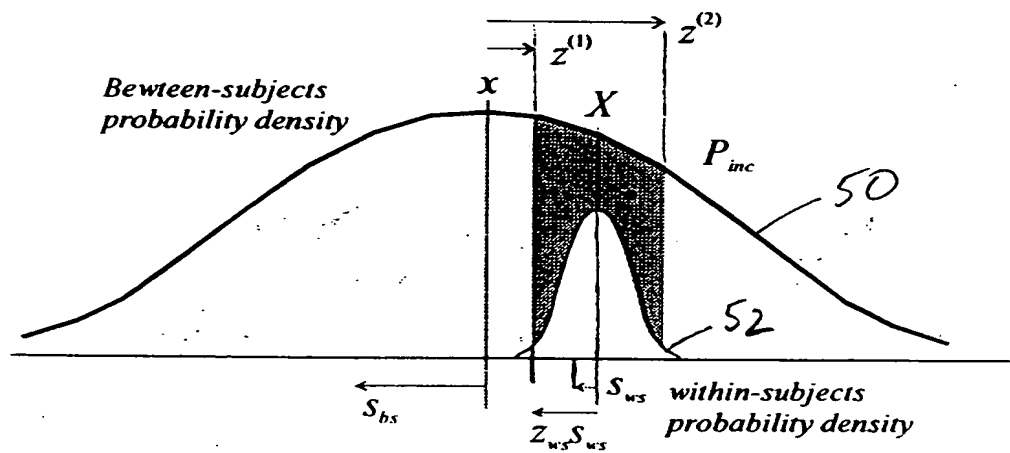


Fig. 4



transverse  
(yaw axis)

**y**

Y vertical

70

frontal  
(roll axis)

**x**

forward X

**X**

 $y$ 

lateral

 $z$ 

72

Three translations  $x, y, z$   
Three rotations  $\alpha, \beta, \gamma$

F. g. 6

80

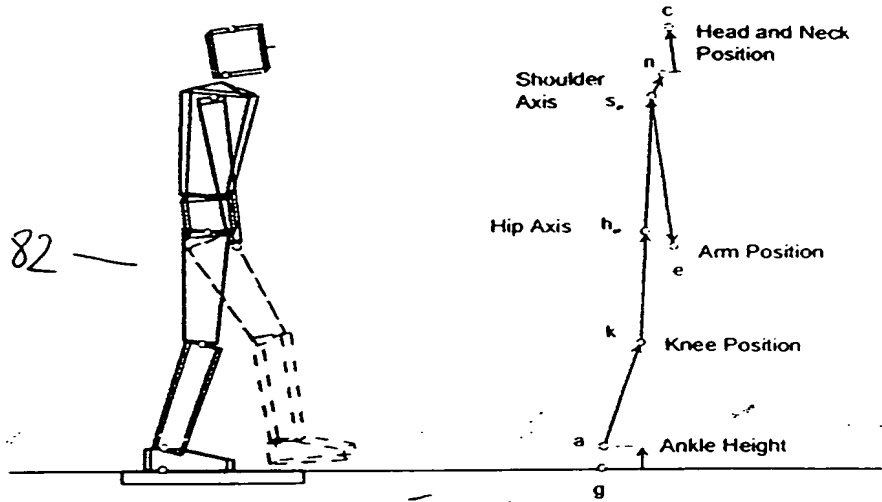


Fig. 7A

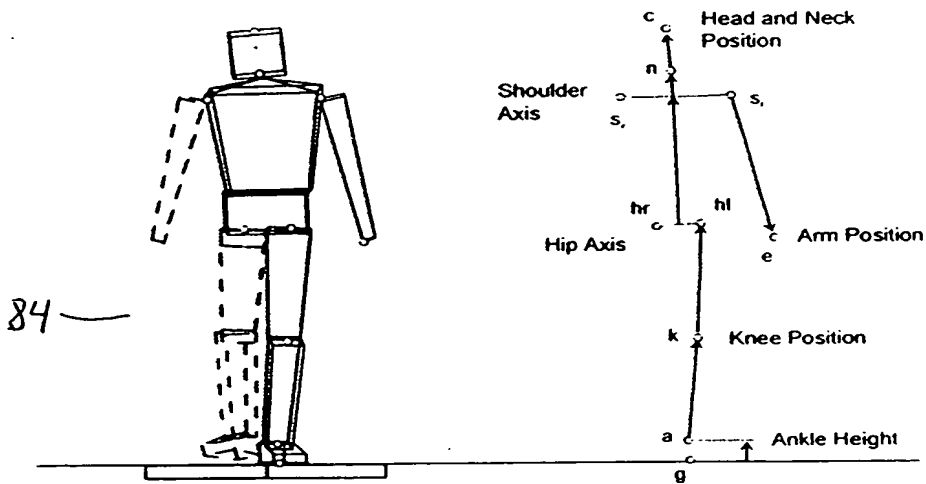


Fig. 7B

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graph TD
    90[acquire an image of an individual w/ image acquisition device] --> 92[compute an anatomy/gait parameter of the individual w/ image data manipulation module]
    92 --> 94[determine a match between the parameter of individual and parameters in reference database]
  
```

Fig. 8